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CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Applicants: **CHRIS SILVIA and WEIFUNG YU.**

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Application No.: **09/623,304**

Filed: **August 30, 2000**

SEP 11 2001

For: **IDENTIFICATION AND EXPRESSION OF HUMAN KIR5.1**

TECH CENTER 1600/2900

ICAgan, Incorporated, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is assignee of the patent application identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame(s) _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : 1/31/01
Name : P. Kan Wagoner
Title : Ceo
Signature: P. Kan Wagoner

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MAY 30 2001

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Chris Silvia, of 3105 Broomsedge Way, Durham, NC 27712; and Weifeng Yu, of 107 Park York Lane, Apex, NC 27502; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **IDENTIFICATION AND EXPRESSION OF HUMAN
KIR5.1**

Date(s) of execution of Declaration:

Filing Date: **August 30, 2000**

Application No.: **09/623,304**

WHEREAS, ICAGen, Inc., a corporation of the state of Delaware, located at 4222 Emperor Boulevard, Suite 460, Durham, NC, 27703, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

NOT FOR RECORDATION

Joint Assignment
Attorney Docket No.: 018512-000410US
Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 1/25/01



Chris Silvia

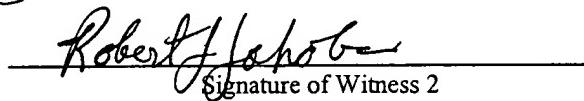
SIGNATURE WITNESSED BY:

(1) Date: 1/25/01



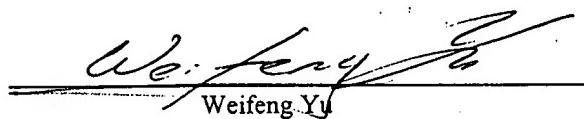
Signature of Witness 1

(2) Date: 1/25/01



Signature of Witness 2

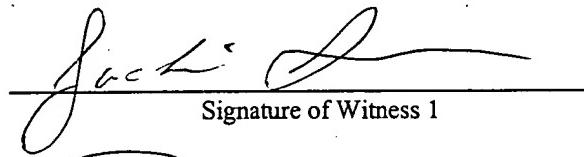
Dated: 1/27/01



Weifeng Yu

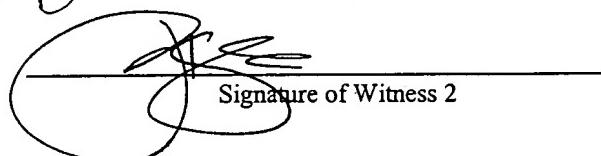
SIGNATURE WITNESSED BY:

(1) Date: 1/30/01



Signature of Witness 1

(2) Date: 1/30/01



Signature of Witness 2

DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **IDENTIFICATION AND EXPRESSION OF HUMAN KIR5.1** the specification of which _____ is attached hereto or X was filed on August 30, 2000 as Application No. 09/623,304.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC §371
PCT	WO 99/45358	September 10, 1999	X
	PCT/US99/04549	March 2, 1999	

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/076,621	March 3, 1998

Full Name of Inventor 1:	Last Name: SILVIA	First Name: CHRIS CHRISTOPHER	Middle Name or Initial: P
Residence & Citizenship:	City: Durham	State/Foreign Country: North Carolina	Country of Citizenship: United States
Post Office Address:	Post Office Address: 3105 Broomsedge Way	City: Durham	State/Country: North Carolina Postal Code: 27712
Full Name of Inventor 2:	Last Name: YU	First Name: WEIFENG	Middle Name or Initial:
Residence & Citizenship:	City: Apex	State/Foreign Country: North Carolina	Country of Citizenship: China
Post Office Address:	Post Office Address: 107 Park York Lane	City: Apex	State/Country: North Carolina Postal Code: 27502
	<i>165 Dorset LN</i>	<i>CT</i>	<i>06443</i>

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2
Chris Silvia	Weifeng Yu
Date 1/25/01	Date 1/27/01

POWER OF ATTORNEY BY ASSIGNEE

ICAgan, Incorporated is the Assignee of the invention entitled: **IDENTIFICATION AND EXPRESSION OF HUMAN KIR5.1**, the specification of which is attached hereto or X was filed on August 30, 2000 as Application Serial No. 09/623,304.

Assignee hereby appoints the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Annette S. Parent, Reg. No. 42,058.
Kenneth A. Weber, Reg. No. 31,677
William B. Kezer, Reg. No. 37,369
Jeffry S. Mann, Reg. No. 42,837

(A)

Send Correspondence to:	Direct Telephone Calls to:
Annette S. Parent, Esq. TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, CA 94111-3834	Annette S. Parent, Esq. Reg. No. 42,058 (415) 576-0200

ICAgan, Incorporated

Date: 1/31/01

By: P. Kay Wagner

(Signature)

Name: P. Kay Wagner

Title: Ceo